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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Mon May 21 15:10:42 EDT 2007

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Reviewer Comments:

<210> 30

<211> 39

<212> DNA

<213> artificial synthesized peptide sequence

<220>

<223> test fused

<400> 30

Invalid response for <213>, It can be either Artificial, unknown or Genus Species.

Please check for the subsequent errors in entire sequences.

<210> 33

<211> 1134

<212> DNA

<213> artificial sequence

<220>

<223> 21-153 (Q129R) + ZZ (serotype y) sequence

<400> 33

Invalid Response for <223>, please explain the source of genetic material.

Please check for this type of errors in other sequences too.

* * * * *

Application No: 10509249 Version No: 2.0

Input Set:**Output Set:**

Started: 2007-05-21 13:08:40.939
Finished: 2007-05-21 13:08:47.304
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 365 ms
Total Warnings: 243
Total Errors: 0
No. of SeqIDs Defined: 245
Actual SeqID Count: 245

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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-05-21 13:08:40.939
Finished: 2007-05-21 13:08:47.304
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 365 ms
Total Warnings: 243
Total Errors: 0
No. of SeqIDs Defined: 245
Actual SeqID Count: 245

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Japan Science and Technology Agency
Kuroda, Shunichi
Tanizawa, Katsuyuki
Okajima, Toshihide
Kondo, Akihiko
Ueda, Nasakazu
Seno, Masahura

<120> THERAPEUTIC DRUG USING ANTIBODY-DISPLAYING HOLLOW PROTEIN
NANOPARTICLES AND HOLLOW PROTEIN NANOPARTICLES

<130> 12480-000067/US

<140> 10509249

<141> 2004-09-28

<150> 10/509,249

<151> 2004-09-28

<160> 245

<170> PatentIn version 3.4

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<213> artificial sequence

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<223> Synthesized Oligonucleotide

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<210> 28

<211> 10

<212> PRT

<213> artificial sequence

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<223> artificial synthesized peptide sequence

<400> 28

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<210> 29

<211> 116

<212> PRT

<213> artificial sequence

<220>

<223> artificial synthesized peptide sequence

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Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln

20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala

35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys Val Asp Asn Lys Phe Asn

50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu

65 70 75 80

Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro

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Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala

100 105 110

Gln Ala Pro Lys
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<210> 30
<211> 39
<212> DNA
<213> artificial synthesized peptide sequence

<220>
<223> test fused

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<210> 31
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<212> DNA
<213> Artificial Sequence Fused Peptide

<220>
<223> 21-153 + ZZ (serotype y) sequence

<400> 31
gctgctgctg ctgctgctag aagaagaaga agaagaaga 39

<210> 32
<211> 378
<212> PRT
<213> artificial sequence

<220>
<223> protein corresponding to 21-153 + ZZ (serotype y) sequence

<400> 32

Met Gly Thr Asn Leu Ser Val Pro Asn Pro Leu Gly Phe Phe Pro Asp
1 5 10 15

His Gln Leu Asp Gly Gly Arg Ala Gln His Asp Glu Ala Val Asp Asn
20 25 30

Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu
35 40 45

Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys
50 55 60

Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu

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Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu Asn Glu Glu						
	100		105		110	
Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser Gln Ser						
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Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala Gln Ala Pro						
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Lys Ala Ala Ala Pro Ala Pro Asn Met Glu Asn Thr Thr Ser Gly Phe						
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Leu Gly Pro Leu Leu Val Leu Gln Ala Gly Phe Phe Leu Leu Thr Arg						
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Ile Leu Thr Ile Pro Gln Ser Leu Asp Ser Trp Trp Thr Ser Leu Asn						
	180		185		190	
Phe Leu Gly Gly Ala Pro Thr Cys Pro Gly Gln Asn Ser Gln Ser Pro						
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Thr Ser Asn His Ser Pro Thr Ser Cys Pro Pro Ile Cys Pro Gly Tyr						
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Arg Trp Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu						
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Pro Val Cys Pro Leu Leu Pro Gly Thr Ser Thr Thr Ser Thr Gly Pro						
	260		265		270	
Cys Lys Thr Cys Thr Ile Pro Ala Gln Gly Thr Ser Met Phe Pro Ser						
	275		280		285	
Cys Cys Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile						
	290		295		300	

Pro Ser Ser Trp Ala Phe Ala Arg Phe Leu Trp Glu Trp Ala Ser Val
305 310 315 320

Arg Phe Ser Trp Leu Ser Leu Leu Val Pro Phe Val Gln Trp Phe Val
325 330 335

Gly Leu Ser Pro Thr Val Trp Leu Ser Val Ile Trp Met Met Trp Tyr
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Trp Gly Pro Ser Leu Tyr Asn Ile Leu Ser Pro Phe Leu Pro Leu Leu
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Pro Ile Phe Phe Cys Leu Trp Val Tyr Ile
370 375

<210> 33
<211> 1134
<212> DNA
<213> artificial sequence

<220>
<223> 21-153 (Q129R) + ZZ (serotype y) sequence

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<210> 34

<211> 378

<212> PRT

<213> artificial sequence

<220>

<223> Protein corresponding to 21-153 (Q129R) + ZZ (serotype y)
sequence

<400> 34

Met Gly Thr Asn Leu Ser Val Pro Asn Pro Leu Gly Phe Phe Pro Asp
1 5 10 15

His Gln Leu Asp Gly Gly Arg Ala Gln His Asp Glu Ala Val Asp Asn
20 25 30

Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu
35 40 45

Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys
50 55 60

Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu
65 70 75 80

Asn Asp Ala Gln Ala Pro Lys Val Asp Asn Lys Phe Asn Lys Glu Gln
85 90 95

Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu Asn Glu Glu
100 105 110

Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser Gln Ser
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Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala Gln Ala Pro

130

135

140

Lys Ala Ala Ala Pro Ala Pro Asn Met Glu Asn Thr Thr Ser Gly Phe
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Leu Gly Pro Leu Leu Val Leu Gln Ala Gly Phe Phe Leu Leu Thr Arg
 165 170 175

Ile Leu Thr Ile Pro Gln Ser Leu Asp Ser Trp Trp Thr Ser Leu Asn
 180 185 190

Phe Leu Gly Gly Ala Pro Thr Cys Pro Gly Gln Asn Ser Gln Ser Pro
 195 200 205

Thr Ser Asn His Ser Pro Thr Ser Cys Pro Pro Ile Cys Pro Gly Tyr
 210 215 220

Arg Trp Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu
 225 230 235 240

Leu Cys Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr Gln Gly Met Leu
 245 250 255

Pro Val Cys Pro Leu Leu Pro Gly Thr Ser Thr Thr Ser Thr Gly Pro
 260 265 270

Cys Lys Thr Cys Thr Ile Pro Ala Arg Gly Thr Ser Met Phe Pro Ser
 275 280 285

Cys Cys Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile
 290 295 300

Pro Ser Ser Trp Ala Phe Ala Arg Phe Leu Trp Glu Trp Ala Ser Val
 305 310 315 320

Arg Phe Ser Trp Leu Ser Leu Leu Val Pro Phe Val Gln Trp Phe Val
 325 330 335

Gly Leu Ser Pro Thr Val Trp Leu Ser Val Ile Trp Met Met Trp Tyr
 340 345 350

Trp Gly Pro Ser Leu Tyr Asn Ile Leu Ser Pro Phe Leu Pro Leu Leu
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Pro Ile Phe Phe Cys Leu Trp Val Tyr Ile
370 375

<210> 35

<211> 1134

<212> DNA

<213> artificial sequence

<220>

<223> 21-153 (G145R) + ZZ (serotype y) sequence

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<210> 36

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<223> Protein corresponding to 21-153 (G145R) + ZZ (serotype y)
sequence

<400> 36

Met Gly Thr Asn Leu Ser Val Pro Asn Pro Leu Gly Phe Phe Pro Asp
1 5 10 15

His Gln Leu Asp Gly Gly Arg Ala Gln His Asp Glu Ala Val Asp Asn
20